$\begin{array}{c} \textbf{Rec'd PCT/PTO} \ \ 16 \ \ \texttt{OCT} \ \ \texttt{2006} \\ \textbf{PATENT COOPERATION TREATY} \end{array}$

PCT

10/553121

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference PC-9131	FOR FURTHER ACTION	See item 4 below		
International application No. PCT/JP2004/005500	International filing date (day/month/year) 16 April 2004 (16.04.2004)	Priority date (day/month/year) 22 April 2003 (22.04.2003)		
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant KEIHIN CORPORATION				

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a). 2. This REPORT consists of a total of 4 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead. 3. This report contains indications relating to the following items: Box No. I Basis of the report Box No. II Priority Box No. II Priority Box No. IV Lack of unity of invention Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VII Certain observations on the international application Box No. VII Certain observations on the international application Box No. VII Certain observations on the international application Date of issuance of this report (2 March 2006 (02.03.2008) The International Bureau of WIPO 34, chemin des Colombettes Colombettes Voshiko Kuwahara Telephone No. +41 22 338 90 90								
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O2 March 2006 (02.03.2006) The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland O2 March 2006 (02.03.2006) Authorized officer Yoshiko Kuwahara	4.	not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority						
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Form PCT/IB/373 (January 2004)

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PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY				(A)		
То:					PCT	Canalation
					RITTEN OPINION OI IONAL SEARCHING	
		•			(PCT Rule 43bis.1)	
				Date of mailing (day/month/year)		
Applicant's	or agent's file referen	ce		FOR FURTHER	ACTION	
PC-9:	•			TORTORIES	See paragraph 2 below	
Internation	al application No.		International filing date ((day/month/year)	Priority date (day/month	(year)
	JP2004/005	500	16.04.2004		22.04.2003	
Internation	al Patent Classification	(IPC) or both	national classification an	d IPC		
Applicant KEIH	IN CORPORA	TION				
1. T	his opinion contains in	ndications rela	ting to the following items	S :		
	Box No. I	Basis of the	opinion			
[Box No. II	Priority				
	Box No. III	Non-establis	shment of opinion with reg	gard to novelty, invent	ive step and industrial app	licability
	Box No. IV	Lack of unit	y of invention			
	Box No. V		atement under Rule 43 <i>bis.</i> ; citations and explanation		novelty, inventive step or i ement	industrial
	Box No. VI	Certain docu	aments cited			
	Box No. VII	Certain defe	ects in the international app	olication		
L	Box No. VIII	Certain obse	ervations on the internation	nal application		
2. F	URTHER ACTION					
In th	sternational Preliminar nan this one to be the l	y Examining a IPEA and the	Authority ("IPEA") excep	t that this does not app the International Bur	ll be considered to be a bly where the applicant che au under Rule 66.1 bis(b)	ooses an Authority other
w	ritten reply together,	where approp	considered to be a writte oriate, with amendments, of 22 months from the pri	before the expiration	A, the applicant is invited of 3 months from the cexpires later.	to submit to the IPEA a late of mailing of Form
F	or further options, see	Form PCT/IS	A/220.			
3. Fo	or further details, see n	notes to Form l	PCT/ISA/220.			
Name and	mailing address of the	ISA/IP		Authorized officer		
. value disti	aduless of the	west		Authorized Officer		
Facsimile N	Jo			Telephone No		

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/005500

Вох	x No. I Basis of this opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under
	Rule 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material
	a sequence listing
	table(s) related to the sequence listing
	b. format of material
	in written format
	in computer readable form
	c. time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/005500

Вох	No. V Reasoned statemen citations and expla	nt under Ru mations sup	de 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; porting such statement	
1.	Statement			
	Novelty (N)	Claims	1-3	YES
		Claims		NO
	Inventive step (IS)	Claims	1-2	YES
		Claims	3	NO NO
	Industrial applicability (IA)	Claims	1-3	YES
		Claims		NO NO

2. Citations and explanations:

Document 1: JP 64-22842 Y2 (Robert Bosch GmbH.) 7 February 1989

Document 2: EP 40094242 A1 (Hitachi, Ltd.) 29 May 1990

The inventions relating to claims 1-2 are not described in any of the documents cited in the ISR, nor are they obvious to a party skilled in the art.

The invention relating to claim 3 does not appear to involve an inventive step based on document 1 (page 4, lines 9-19) and document 2 (Fig. 1). It would be easy for a party skilled in the art to apply the fuel spray control of document 1 to the internal combustion engine of document 2.